

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	595	702/189.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/22 15:13
L2	207	702/138.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/22 15:13
S1	2	("3751979").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/07/25 15:22
S2	2	("5,493,915").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/07/25 16:06
S3	2	("4,463,612").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/07/25 16:06
S4	9	((("6507791") or ("5570300") or ("20020129661") or ("5680109") or ("4660586"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/03/31 09:58
S5	40626	vortex	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/03/31 09:58
S6	114	vortex and (phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/04 11:07

S7	4	("4,432,242").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/03/31 10:07
S8	4	("4,320,666").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/03/31 10:07
S9	18	((("4270391") or ("4463612") or ("5003827") or ("5429001") or ("5576497") or ("5583300") or ("5804740") or ("5942696") or ("6170338"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/03/31 10:15
S10	40	(US-6507791-\$ or US-5680109-\$ or US-5570300-\$ or US-4660586-\$ or US-6508134-\$ or US-6422093-\$ or US-6178827-\$ or US-5777238-\$ or US-5753824-\$ or US-5748504-\$ or US-5747701-\$ or US-5728947-\$ or US-5429001-\$ or US-5372046-\$ or US-4320666-\$ or US-5152174-\$ or US-4896540-\$ or US-4809558-\$ or US-4463612-\$ or US-4432242-\$ or US-4375768-\$ or US-4270391-\$ or US-4265125-\$ or US-4255968-\$ or US-4026150-\$ or US-5003827-\$).did. or (US-5576497-\$ or US-5583300-\$ or US-5804740-\$ or US-6170338-\$ or US-5942696-\$).did. or (US-20020129661-\$ or US-20010015107-\$).did. or (JP-07055518-\$ or JP-05005639-\$ or JP-58009026-\$).did. or (DE-3713523-\$ or DE-3601407-\$ or EP-187407-\$ or EP-84232-\$). did.	US-PGPUB; USPAT; JPO; DERWENT	OR	OFF	2003/03/31 10:19

S11	9	((US-6507791-\$ or US-5680109-\$ or US-5570300-\$ or US-4660586-\$ or US-6508134-\$ or US-6422093-\$ or US-6178827-\$ or US-5777238-\$ or US-5753824-\$ or US-5748504-\$ or US-5747701-\$ or US-5728947-\$ or US-5429001-\$ or US-5372046-\$ or US-4320666-\$ or US-5152174-\$ or US-4896540-\$ or US-4809558-\$ or US-4463612-\$ or US-4432242-\$ or US-4375768-\$ or US-4270391-\$ or US-4265125-\$ or US-4255968-\$ or US-4026150-\$ or US-5003827-\$).did. or (US-5576497-\$ or US-5583300-\$ or US-5804740-\$ or US-6170338-\$ or US-5942696-\$).did. or (US-20020129661-\$ or US-20010015107-\$).did. or (JP-07055518-\$ or JP-05005639-\$ or JP-58009026-\$).did. or (DE-3713523-\$ or DE-3601407-\$ or EP-187407-\$ or EP-84232-\$). did.) and (phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's") same (switch or switches or switched or switching)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/03/31 11:17
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S12	2	(((US-6507791-\$ or US-5680109-\$ or US-5570300-\$ or US-4660586-\$ or US-6508134-\$ or US-6422093-\$ or US-6178827-\$ or US-5777238-\$ or US-5753824-\$ or US-5748504-\$ or US-5747701-\$ or US-5728947-\$ or US-5429001-\$ or US-5372046-\$ or US-4320666-\$ or US-5152174-\$ or US-4896540-\$ or US-4809558-\$ or US-4463612-\$ or US-4432242-\$ or US-4375768-\$ or US-4270391-\$ or US-4265125-\$ or US-4255968-\$ or US-4026150-\$ or US-5003827-\$).did. or (US-5576497-\$ or US-5583300-\$ or US-5804740-\$ or US-6170338-\$ or US-5942696-\$).did. or (US-20020129661-\$ or US-20010015107-\$).did. or (JP-07055518-\$ or JP-05005639-\$ or JP-58009026-\$).did. or (DE-3713523-\$ or DE-3601407-\$ or EP-187407-\$ or EP-84232-\$). did.) and (phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's") same (switch or switches or switched or switching)) and vco	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/03/31 10:37
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S13	2	(((US-6507791-\$ or US-5680109-\$ or US-5570300-\$ or US-4660586-\$ or US-6508134-\$ or US-6422093-\$ or US-6178827-\$ or US-5777238-\$ or US-5753824-\$ or US-5748504-\$ or US-5747701-\$ or US-5728947-\$ or US-5429001-\$ or US-5372046-\$ or US-4320666-\$ or US-5152174-\$ or US-4896540-\$ or US-4809558-\$ or US-4463612-\$ or US-4432242-\$ or US-4375768-\$ or US-4270391-\$ or US-4265125-\$ or US-4255968-\$ or US-4026150-\$ or US-5003827-\$).did. or (US-5576497-\$ or US-5583300-\$ or US-5804740-\$ or US-6170338-\$ or US-5942696-\$).did. or (US-20020129661-\$ or US-20010015107-\$).did. or (JP-07055518-\$ or JP-05005639-\$ or JP-58009026-\$).did. or (DE-3713523-\$ or DE-3601407-\$ or EP-187407-\$ or EP-84232-\$). did.) and (phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's") same (switch or switches or switched or switching)) and (vco or "voltage controlled oscillator")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/03/31 10:42
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S14	1	(((US-6507791-\$ or US-5680109-\$ or US-5570300-\$ or US-4660586-\$ or US-6508134-\$ or US-6422093-\$ or US-6178827-\$ or US-5777238-\$ or US-5753824-\$ or US-5748504-\$ or US-5747701-\$ or US-5728947-\$ or US-5429001-\$ or US-5372046-\$ or US-4320666-\$ or US-5152174-\$ or US-4896540-\$ or US-4809558-\$ or US-4463612-\$ or US-4432242-\$ or US-4375768-\$ or US-4270391-\$ or US-4265125-\$ or US-4255968-\$ or US-4026150-\$ or US-5003827-\$).did. or (US-5576497-\$ or US-5583300-\$ or US-5804740-\$ or US-6170338-\$ or US-5942696-\$).did. or (US-20020129661-\$ or US-20010015107-\$).did. or (JP-07055518-\$ or JP-05005639-\$ or JP-58009026-\$).did. or (DE-3713523-\$ or DE-3601407-\$ or EP-187407-\$ or EP-84232-\$). did.) and (phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's") same (switch or switches or switched or switching)) and (hilbert)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/03/31 10:38
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S15	4	(((US-6507791-\$ or US-5680109-\$ or US-5570300-\$ or US-4660586-\$ or US-6508134-\$ or US-6422093-\$ or US-6178827-\$ or US-5777238-\$ or US-5753824-\$ or US-5748504-\$ or US-5747701-\$ or US-5728947-\$ or US-5429001-\$ or US-5372046-\$ or US-4320666-\$ or US-5152174-\$ or US-4896540-\$ or US-4809558-\$ or US-4463612-\$ or US-4432242-\$ or US-4375768-\$ or US-4270391-\$ or US-4265125-\$ or US-4255968-\$ or US-4026150-\$ or US-5003827-\$).did. or (US-5576497-\$ or US-5583300-\$ or US-5804740-\$ or US-6170338-\$ or US-5942696-\$).did. or (US-20020129661-\$ or US-20010015107-\$).did. or (JP-07055518-\$ or JP-05005639-\$ or JP-58009026-\$).did. or (DE-3713523-\$ or DE-3601407-\$ or EP-187407-\$ or EP-84232-\$). did.) and (phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's") same (switch or switches or switched or switching)) and (complex)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/03/31 10:38
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S16	2	((US-6507791-\$ or US-5680109-\$ or US-5570300-\$ or US-4660586-\$ or US-6508134-\$ or US-6422093-\$ or US-6178827-\$ or US-5777238-\$ or US-5753824-\$ or US-5748504-\$ or US-5747701-\$ or US-5728947-\$ or US-5429001-\$ or US-5372046-\$ or US-4320666-\$ or US-5152174-\$ or US-4896540-\$ or US-4809558-\$ or US-4463612-\$ or US-4432242-\$ or US-4375768-\$ or US-4270391-\$ or US-4265125-\$ or US-4255968-\$ or US-4026150-\$ or US-5003827-\$).did. or (US-5576497-\$ or US-5583300-\$ or US-5804740-\$ or US-6170338-\$ or US-5942696-\$).did. or (US-20020129661-\$ or US-20010015107-\$).did. or (JP-07055518-\$ or JP-05005639-\$ or JP-58009026-\$).did. or (DE-3713523-\$ or DE-3601407-\$ or EP-187407-\$ or EP-84232-\$).did.) and (phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's") same (switch or switches or switched or switching)) and (vco or "voltage-controlled oscillator")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/03/31 10:42
S17	38	(flowmeter or flowmeters or flow-meter or flow-meters or "flow meter" or "flow meters") and (phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's") with (second)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/03/31 11:59
S18	38	(flowmeter or flowmeters or flow-meter or flow-meters or "flow meter" or "flow meters") and ((phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's") with (second))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/03/31 11:32

S19	12	(flowmeter or flowmeters or flow-meter or flow-meters or "flow meter" or "flow meters") and ((phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's") near3 (two))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/03/31 11:54
S20	1	(flowmeter or flowmeters or flow-meter or flow-meters or "flow meter" or "flow meters") and ((phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's") with (large or larger)) and ((phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's") with (small or smaller))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/03/31 11:56
S21	1	(flowmeter or flowmeters or flow-meter or flow-meters or "flow meter" or "flow meters") and ((phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's") with (speed or speeds or fast or faster)) and ((phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's") with (accurate or accuracy or accurately))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/03/31 11:58
S22	1	(flowmeter or flowmeters or flow-meter or flow-meters or "flow meter" or "flow meters") and ((phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's") with (speed or speeds or fast or faster)) and ((phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's") with (noise))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/03/31 11:58

S23	249	(flowmeter or flowmeters or flow-meter or flow-meters or "flow meter" or "flow meters") and (phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/03/31 12:00
S24	13	(flowmeter or flowmeters or flow-meter or flow-meters or "flow meter" or "flow meters") and (phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's") and ((frequency or frequencies) with (larger or larger)) and ((frequency or frequencies) with (small or smaller))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/03/31 12:09
S25	97	(flowmeter or flowmeters or flow-meter or flow-meters or "flow meter" or "flow meters") and (phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's") and ((frequency or frequencies) with (high or higher)) and ((frequency or frequencies) with (low or lower))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/03/31 12:46
S26	0	(flowmeter or flowmeters or flow-meter or flow-meters or "flow meter" or "flow meters") and DPLL	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/03/31 12:47
S27	2	(flowmeter or flowmeters or flow-meter or flow-meters or "flow meter" or "flow meters") and (Dual with PLL)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/03/31 12:48

S28	3	(flowmeter or flowmeters or flow-meter or flow-meters or "flow meter" or "flow meters") and (Dual with (phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's"))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/03/31 12:52
S29	1	(vortex) and (Dual with (phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's"))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/03/31 15:35
S30	3193	(flow) and ((two or second) with (phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's"))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/03/31 12:54
S31	13	(vortex) and ((two or second) with (phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's"))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/03/31 12:55
S32	236	(flow) and ((dual) with (phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's"))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/03/31 13:07
S33	827	foxboro.asn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/03/31 13:45
S34	86	702/106.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/03/31 13:50

S35	648	"lock indicator"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/03/31 13:50
S36	666	"lock indicator" or "lock indicators"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/03/31 13:50
S37	225	("lock indicator" or "lock indicators") and (phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/03/31 13:54
S38	2	("lock indicator" or "lock indicators") and (phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's") and (flowmeter or flowmeters or flow-meter or flow-meters or "flow meter" or "flow meters" or vortex)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/03/31 13:56
S39	6	("lock indicator" or "lock indicators" or "lock detector" or "lock detectors") and (phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's") and (flowmeter or flowmeters or flow-meter or flow-meters or "flow meter" or "flow meters" or vortex)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/03/31 13:57
S40	3	(hilbert) and (phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's") and (flowmeter or flowmeters or flow-meter or flow-meters or "flow meter" or "flow meters" or vortex)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/22 15:24

S41	16	"noise immunity" and (phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's") and (flowmeter or flowmeters or flow-meter or flow-meters or "flow meter" or "flow meters" or vortex)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/03/31 14:00
S42	20	(noise near3 immunity) and (phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's") and (flowmeter or flowmeters or flow-meter or flow-meters or "flow meter" or "flow meters" or vortex)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/03/31 14:15
S43	654	73/861.22.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/03/31 14:39
S44	89	73/861.23.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/03/31 14:39
S45	340	73/861.24.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/03/31 14:39
S46	13	73/861.22.ccls. and (phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/03/31 14:40

S47	5	73/861.23.ccls. and (phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/03/31 15:45
S48	1	73/861.24.ccls. and (phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/03/31 15:45
S49	1526	krone.asn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/03/31 15:02
S50	3	krohne.asn. and vortex	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/03/31 15:02
S51	384	krohne.asn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/03/31 15:03
S52	1	krohne.asn. and (phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/03/31 15:03
S53	114	(vortex) and (phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/03/31 15:38
S54	19	(karman) and (phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/03/31 15:49

S55	0	73/861.24.ccls. and hilbert	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/03/31 15:45
S56	0	73/861.23.ccls. and (hilbert)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/03/31 15:45
S57	1	73/861.22.ccls. and (hilbert)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/03/31 15:47
S58	128	702/12.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/03/31 15:48
S59	67	702/44.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/03/31 15:48
S60	273	702/45.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/03/31 15:48
S61	188	702/46.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/03/31 15:48
S62	150	702/47.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/03/31 15:48
S63	41	702/48.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/03/31 15:48
S64	24	702/49.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/03/31 15:48

S65	182	702/100.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/03/31 15:48
S66	27	(702/12.ccls. 702/44.ccls. 702/45.ccls. 702/46.ccls. 702/47.ccls. 702/48.ccls. 702/49.ccls. 702/100.ccls.) and (phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/03/31 16:06
S67	3	(702/12.ccls. 702/44.ccls. 702/45.ccls. 702/46.ccls. 702/47.ccls. 702/48.ccls. 702/49.ccls. 702/100.ccls.) and (hilbert)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/03/31 16:06
S68	7860	vortex.ti.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/01 10:40
S69	4	Ghaoud.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/04 10:37
S70	4	((("4463612") or ("4270391"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/04 10:39
S71	2	("5570300").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/04 10:39
S72	991	(phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's") with ("natural frequency" or "natural frequencies" or "center frequency" or "center frequencies")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/04 11:08

S73	102	(phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's") with ("natural frequency" or "natural frequencies" or "center frequency" or "center frequencies") with (large or larger or high or higher)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/04 11:09
S74	36	((phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's") with ("natural frequency" or "natural frequencies" or "center frequency" or "center frequencies") with (large or larger or high or higher)) and ((phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's") with ("natural frequency" or "natural frequencies" or "center frequency" or "center frequencies") with (small or smaller or low or lower))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/04 11:44
S75	1	((phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's") with ("natural frequency" or "natural frequencies" or "center frequency" or "center frequencies") with (small or smaller or low or lower) with (noise or noises or accurate or accurately or accuracy or accuratly or immunity)) and (flowmeter or flow-meter or flowmeters or flow-meters or "flow meter" or "flow meters" or vortex)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/04 11:53

S76	2	((phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's") with ("natural frequency" or "natural frequencies" or "center frequency" or "center frequencies") with (large or larger or high or higher) with (speed or fast or faster)) and (flowmeter or flow-meter or flowmeters or flow-meters or "flow meter" or "flow meters" or vortex)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/04 11:53
S77	24	bearcroft.in	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/04 11:44
S78	2	((phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's") with ("natural frequency" or "natural frequencies" or "center frequency" or "center frequencies") same (large or larger or high or higher) with (speed or fast or faster)) and (flowmeter or flow-meter or flowmeters or flow-meters or "flow meter" or "flow meters" or vortex)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/04 11:56
S79	1	((phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's") with ("natural frequency" or "natural frequencies" or "center frequency" or "center frequencies") same (small or smaller or low or lower) with (noise or noises or accurate or accurately or accuracy or accurately or immunity)) and (flowmeter or flow-meter or flowmeters or flow-meters or "flow meter" or "flow meters" or vortex)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/04 11:56

S80	2	((phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's") with (frequency or frequencies) same (large or larger or high or higher) with (speed or fast or faster)) and (flowmeter or flow-meter or flowmeters or flow-meters or "flow meter" or "flow meters" or vortex)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/04 12:01
S81	4	((phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's") with (frequency or frequencies) same (small or smaller or low or lower) with (noise or noises or accurate or accurately or accuracy or accurately or immunity)) and (flowmeter or flow-meter or flowmeters or flow-meters or "flow meter" or "flow meters" or vortex)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/04 12:00
S82	1	((phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's") with (bandwidth or bandwidths or band-width or band-widths or "band width" or "band widths" or narrowband or narrowbands) same (small or smaller or low or lower) with (noise or noises or accurate or accurately or accuracy or accurately or immunity)) and (flowmeter or flow-meter or flowmeters or flow-meters or "flow meter" or "flow meters" or vortex)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/04 12:03

S83	1	((phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's") with (bandwidth or bandwidths or band-width or band-widths or "band width" or "band widths" or wideband or widebands or broadband or broadbands) same (large or larger or high or higher) with (speed or fast or faster)) and (flowmeter or flow-meter or flowmeters or flow-meters or "flow meter" or "flow meters" or vortex)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/09/26 10:25
S84	181	((phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's") with (bandwidth or bandwidths or band-width or band-widths or "band width" or "band widths" or wideband or widebands or broadband or broadbands) same (large or larger or high or higher) with (speed or fast or faster))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/04 12:04
S85	307	((phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's") with (bandwidth or bandwidths or band-width or band-widths or "band width" or "band widths" or narrowband or narrowbands) same (small or smaller or low or lower) with (noise or noises or accurate or accurately or accuracy or accurately or immunity))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/04 12:04
S86	6	"1551220"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/04 12:05
S87	1	1991-311441.NRAN.	DERWENT	OR	OFF	2003/04/04 12:05

S88	0	"uk 1551220"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/04 12:05
S89	2	"gb 1551220"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/04 12:09
S90	2	("4069713").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/04 12:07
S91	2	("4446744").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/04 12:08
S92	3	("2912856" "3007339" "4069713").PN.	USPAT	OR	OFF	2003/04/04 12:07
S93	0	"15 51220"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/04 12:08
S94	24	Bearcroft.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/04/27 15:15
S95	0	"gb 1 551 220"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/04 12:11
S96	0	"1 551 220"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/04 12:12
S97	0	"gb 1551220a"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/04 12:12
S98	1	"4446744".URPN.	USPAT	OR	OFF	2003/04/04 12:12

S99	6	"1551220"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/04 12:17
S10 0	1	1977-E5117Y.NRAN.	DERWENT	OR	OFF	2003/04/04 12:13
S10 1	1	((phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's") with (bandwidth or bandwidths or band-width or band-widths or "band width" or "band widths" or wideband or widebands or broadband or broadbands) same (large or larger or high or higher) with (speed or fast or faster))) and humes.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/04 15:18
S10 2	1	((phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's") with (bandwidth or bandwidths or band-width or band-widths or "band width" or "band widths" or narrowband or narrowbands) same (small or smaller or low or lower) with (noise or noises or accurate or accurately or accuracy or accuratly or immunity))) and humes.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/04 12:18

S10 3	3	(((phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's") with (bandwidth or bandwidths or band-width or band-widths or "band width" or "band widths" or narrowband or narrowbands) same (small or smaller or low or lower) with (noise or noises or accurate or accurately or accuracy or accuratly or immunity))) or (((phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's") with (bandwidth or bandwidths or band-width or band-widths or "band width" or "band widths" or wideband or widebands or broadband or broadbands) same (large or larger or high or higher) with (speed or fast or faster)))) and tsai.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/09/26 10:25
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S10 4	2	(((phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's") with (bandwidth or bandwidths or band-width or band-widths or "band width" or "band widths" or narrowband or narrowbands) same (small or smaller or low or lower) with (noise or noises or accurate or accurately or accuracy or accurately or immunity))) or (((phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's") with (bandwidth or bandwidths or band-width or band-widths or "band width" or "band widths" or wideband or widebands or broadband or broadbands) same (large or larger or high or higher) with (speed or fast or faster)))) and allen.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/04 12:20
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S10 5	1	(((phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's") with (bandwidth or bandwidths or band-width or band-widths or "band width" or "band widths" or narrowband or narrowbands) same (small or smaller or low or lower) with (noise or noises or accurate or accurately or accuracy or accuratly or immunity))) or (((phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's") with (bandwidth or bandwidths or band-width or band-widths or "band width" or "band widths" or wideband or widebands or broadband or broadbands) same (large or larger or high or higher) with (speed or fast or faster)))) and kintis.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/04 12:28
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S10 6	139	(((phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's") with (bandwidth or bandwidths or band-width or band-widths or "band width" or "band widths" or narrowband or narrowbands) same (small or smaller or low or lower) with (noise or noises or accurate or accurately or accuracy or accuratly or immunity))) or (((phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's") with (bandwidth or bandwidths or band-width or band-widths or "band width" or "band widths" or wideband or widebands or broadband or broadbands) same (large or larger or high or higher) with (speed or fast or faster)))) and (flow or flows or meter or meters)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/04 12:28
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S10 7	75	(US-5767665-\$ or US-5423221-\$ or US-4185498-\$ or US-4372166-\$ or US-4372167-\$ or US-4509372-\$ or US-4052896-\$ or US-3855858-\$ or US-3934127-\$ or US-4372168-\$ or US-4446744-\$ or US-5131279-\$ or US-6539316-\$ or US-5551307-\$ or US-5804741-\$ or US-4934196-\$ or US-4996871-\$ or US-3935735-\$ or US-4011755-\$ or US-6215834-\$ or US-6429901-\$ or US-4958070-\$ or US-5005425-\$ or US-5680109-\$ or US-6507791-\$ or US-4660586-\$).did. or (US-5570300-\$ or US-6508134-\$ or US-6422093-\$ or US-6178827-\$ or US-5777238-\$ or US-5748504-\$ or US-5753824-\$ or US-5728947-\$ or US-5710720-\$ or US-5747701-\$ or US-5429001-\$ or US-5372046-\$ or US-5152174-\$ or US-4375768-\$ or US-4896540-\$ or US-4815324-\$ or US-4809558-\$ or US-4463612-\$ or US-4432242-\$ or US-4270391-\$ or US-4265125-\$ or US-4255968-\$ or US-4026150-\$ or US-4145914-\$ or US-6317696-\$ or US-4320666-\$ or US-6170338-\$).did. or (US-5942696-\$ or US-5583300-\$ or US-5804740-\$ or US-5576497-\$ or US-5003827-\$ or US-5603097-\$ or US-5128625-\$ or US-4720688-\$ or US-6211742-\$ or US-6466069-\$).did. or (US-20010030560-\$ or US-20010015107-\$ or US-20020129661-\$).did. or (JP-07055518-\$ or JP-05005639-\$ or JP-58009026-\$ or JP-11274922-\$).did. or (WO-200257722-\$ or DE-3713523-\$ or DE-3601407-\$ or EP-187407-\$ or EP-84232-\$). did.	US-PGPUB; USPAT; JPO; DERWENT	OR	OFF	2003/04/04 12:30
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S10 8	1909	((US-5767665-\$ or US-5423221-\$ or US-4185498-\$ or US-4372166-\$ or US-4372167-\$ or US-4509372-\$ or US-4052896-\$ or US-3855858-\$ or US-3934127-\$ or US-4372168-\$ or US-4446744-\$ or US-5131279-\$ or US-6539316-\$ or US-5551307-\$ or US-5804741-\$ or US-4934196-\$ or US-4996871-\$ or US-3935735-\$ or US-4011755-\$ or US-6215834-\$ or US-6429901-\$ or US-4958070-\$ or US-5005425-\$ or US-5680109-\$ or US-6507791-\$ or US-4660586-\$).did. or (US-5570300-\$ or US-6508134-\$ or US-6422093-\$ or US-6178827-\$ or US-5777238-\$ or US-5748504-\$ or US-5753824-\$ or US-5728947-\$ or US-5710720-\$ or US-5747701-\$ or US-5429001-\$ or US-5372046-\$ or US-5152174-\$ or US-4375768-\$ or US-4896540-\$ or US-4815324-\$ or US-4809558-\$ or US-4463612-\$ or US-4432242-\$ or US-4270391-\$ or US-4265125-\$ or US-4255968-\$ or US-4026150-\$ or US-4145914-\$ or US-6317696-\$ or US-4320666-\$ or US-6170338-\$).did. or (US-5942696-\$ or US-5583300-\$ or US-5804740-\$ or US-5576497-\$ or US-5003827-\$ or US-5603097-\$ or US-5128625-\$ or US-4720688-\$ or US-6211742-\$ or US-6466069-\$).did. or (US-20010030560-\$ or US-20010015107-\$ or US-20020129661-\$).did. or (JP-07055518-\$ or JP-05005639-\$ or JP-58009026-\$ or JP-11274922-\$).did. or (WO-200257722-\$ or DE-3713523-\$ or DE-3601407-\$ or EP-187407-\$ or EP-84232-\$). did.) and "charge pump" or "charge pumps"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/04 12:31
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S10 9	3	((US-5767665-\$ or US-5423221-\$ or US-4185498-\$ or US-4372166-\$ or US-4372167-\$ or US-4509372-\$ or US-4052896-\$ or US-3855858-\$ or US-3934127-\$ or US-4372168-\$ or US-4446744-\$ or US-5131279-\$ or US-6539316-\$ or US-5551307-\$ or US-5804741-\$ or US-4934196-\$ or US-4996871-\$ or US-3935735-\$ or US-4011755-\$ or US-6215834-\$ or US-6429901-\$ or US-4958070-\$ or US-5005425-\$ or US-5680109-\$ or US-6507791-\$ or US-4660586-\$).did. or (US-5570300-\$ or US-6508134-\$ or US-6422093-\$ or US-6178827-\$ or US-5777238-\$ or US-5748504-\$ or US-5753824-\$ or US-5728947-\$ or US-5710720-\$ or US-5747701-\$ or US-5429001-\$ or US-5372046-\$ or US-5152174-\$ or US-4375768-\$ or US-4896540-\$ or US-4815324-\$ or US-4809558-\$ or US-4463612-\$ or US-4432242-\$ or US-4270391-\$ or US-4265125-\$ or US-4255968-\$ or US-4026150-\$ or US-4145914-\$ or US-6317696-\$ or US-4320666-\$ or US-6170338-\$).did. or (US-5942696-\$ or US-5583300-\$ or US-5804740-\$ or US-5576497-\$ or US-5003827-\$ or US-5603097-\$ or US-5128625-\$ or US-4720688-\$ or US-6211742-\$ or US-6466069-\$).did. or (US-20010030560-\$ or US-20010015107-\$ or US-20020129661-\$).did. or (JP-07055518-\$ or JP-05005639-\$ or JP-58009026-\$ or JP-11274922-\$).did. or (WO-200257722-\$ or DE-3713523-\$ or DE-3601407-\$ or EP-187407-\$ or EP-84232-\$).did.) and ("charge pump" or "charge pumps")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/04 12:32
S11 0	0	(flowmeter or flowmeters or flowmetering or flow-meter or flow-meters or flow-metering or "flow meter" or "flow meters" or "flow metering") and ("charge pump" or "charge pumps") and vortex	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/04 12:44

S11 1	2	(flowmeter or flowmeters or flowmetering or flow-meter or flow-meters or flow-metering or "flow meter" or "flow meters" or "flow metering") and ("charge pump" or "charge pumps") and (phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/04 12:44
S11 2	50	(flowmeter or flowmeters or flowmetering or flow-meter or flow-meters or flow-metering or "flow meter" or "flow meters" or "flow metering") and ("charge pump" or "charge pumps")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/04 12:35
S11 3	30	(flowmeter or flowmeters or flowmetering or flow-meter or flow-meters or flow-metering or "flow meter" or "flow meters" or "flow metering") and (phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's") and vortex	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/04 12:45
S11 4	30	((flowmeter or flowmeters or flowmetering or flow-meter or flow-meters or flow-metering or "flow meter" or "flow meters" or "flow metering") and (phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's") and vortex)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/04 12:53
S11 5	1	1987-206997.NRAN.	DERWENT	OR	OFF	2003/04/04 12:53

S11 6	0	((flowmeter or flowmeters or flowmetering or flow-meter or flow-meters or flow-metering or "flow meter" or "flow meters" or "flow metering") and (phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's") and vortex) and ((detect or detects or detecting or detected or detection or detections) near3 (phase or phases)) and ("loop filter" or "loop filters") and (VCO or "voltage controlled oscillator"))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/04 12:57
S11 7	3	((flowmeter or flowmeters or flowmetering or flow-meter or flow-meters or flow-metering or "flow meter" or "flow meters" or "flow metering") and (phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's") and vortex) and ((detect or detects or detecting or detected or detection or detections) near3 (phase or phases)) and (VCO or "voltage controlled oscillator"))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/04 13:06
S11 8	1	("6466069").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/04 13:36
S11 9	2	("4463612").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/04 13:36

S12 0	78	(US-5767665-\$ or US-5423221-\$ or US-4185498-\$ or US-4372166-\$ or US-4372167-\$ or US-4509372-\$ or US-4052896-\$ or US-3855858-\$ or US-3934127-\$ or US-4372168-\$ or US-4446744-\$ or US-5131279-\$ or US-6539316-\$ or US-5551307-\$ or US-5804741-\$ or US-4934196-\$ or US-4996871-\$ or US-3935735-\$ or US-4011755-\$ or US-6215834-\$ or US-6429901-\$ or US-4958070-\$ or US-5005425-\$ or US-5680109-\$ or US-6507791-\$ or US-4660586-\$).did. or (US-5570300-\$ or US-6508134-\$ or US-6422093-\$ or US-6178827-\$ or US-5777238-\$ or US-5748504-\$ or US-5753824-\$ or US-5728947-\$ or US-5710720-\$ or US-5747701-\$ or US-5429001-\$ or US-5372046-\$ or US-5152174-\$ or US-4375768-\$ or US-4896540-\$ or US-4815324-\$ or US-4809558-\$ or US-4463612-\$ or US-4432242-\$ or US-4270391-\$ or US-4265125-\$ or US-4255968-\$ or US-4026150-\$ or US-4145914-\$ or US-6317696-\$ or US-4320666-\$ or US-6170338-\$).did. or (US-5942696-\$ or US-5583300-\$ or US-5804740-\$ or US-5576497-\$ or US-5003827-\$ or US-5603097-\$ or US-5128625-\$ or US-4720688-\$ or US-6211742-\$ or US-6466069-\$ or US-6474132-\$ or US-4535851-\$).did. or (US-20010030560-\$ or US-20010015107-\$ or US-20020129661-\$).did. or (JP-07055518-\$ or JP-05005639-\$ or JP-58009026-\$ or JP-11274922-\$ or JP-08075516-\$).did. or (WO-200257722-\$ or DE-3713523-\$ or DE-3601407-\$ or EP-187407-\$ or EP-84232-\$). did.	US-PGPUB; USPAT; JPO; DERWENT	OR	OFF	2003/04/04 14:36
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S12 1	3	((US-5767665-\$ or US-5423221-\$ or US-4185498-\$ or US-4372166-\$ or US-4372167-\$ or US-4509372-\$ or US-4052896-\$ or US-3855858-\$ or US-3934127-\$ or US-4372168-\$ or US-4446744-\$ or US-5131279-\$ or US-6539316-\$ or US-5551307-\$ or US-5804741-\$ or US-4934196-\$ or US-4996871-\$ or US-3935735-\$ or US-4011755-\$ or US-6215834-\$ or US-6429901-\$ or US-4958070-\$ or US-5005425-\$ or US-5680109-\$ or US-6507791-\$ or US-4660586-\$).did. or (US-5570300-\$ or US-6508134-\$ or US-6422093-\$ or US-6178827-\$ or US-5777238-\$ or US-5748504-\$ or US-5753824-\$ or US-5728947-\$ or US-5710720-\$ or US-5747701-\$ or US-5429001-\$ or US-5372046-\$ or US-5152174-\$ or US-4375768-\$ or US-4896540-\$ or US-4815324-\$ or US-4809558-\$ or US-4463612-\$ or US-4432242-\$ or US-4270391-\$ or US-4265125-\$ or US-4255968-\$ or US-4026150-\$ or US-4145914-\$ or US-6317696-\$ or US-4320666-\$ or US-6170338-\$).did. or (US-5942696-\$ or US-5583300-\$ or US-5804740-\$ or US-5576497-\$ or US-5003827-\$ or US-5603097-\$ or US-5128625-\$ or US-4720688-\$ or US-6211742-\$ or US-6466069-\$ or US-6474132-\$ or US-4535851-\$).did. or (US-20010030560-\$ or US-20010015107-\$ or US-20020129661-\$).did. or (JP-07055518-\$ or JP-05005639-\$ or JP-58009026-\$ or JP-11274922-\$ or JP-08075516-\$).did. or (WO-200257722-\$ or DE-3713523-\$ or DE-3601407-\$ or EP-187407-\$ or EP-84232-\$). did.) and vortex same pressure same sinusoidal	US-PGPUB; USPAT; JPO; DERWENT	OR	OFF	2003/04/04 14:49
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S12 2	14	((US-5767665-\$ or US-5423221-\$ or US-4185498-\$ or US-4372166-\$ or US-4372167-\$ or US-4509372-\$ or US-4052896-\$ or US-3855858-\$ or US-3934127-\$ or US-4372168-\$ or US-4446744-\$ or US-5131279-\$ or US-6539316-\$ or US-5551307-\$ or US-5804741-\$ or US-4934196-\$ or US-4996871-\$ or US-3935735-\$ or US-4011755-\$ or US-6215834-\$ or US-6429901-\$ or US-4958070-\$ or US-5005425-\$ or US-5680109-\$ or US-6507791-\$ or US-4660586-\$).did. or (US-5570300-\$ or US-6508134-\$ or US-6422093-\$ or US-6178827-\$ or US-5777238-\$ or US-5748504-\$ or US-5753824-\$ or US-5728947-\$ or US-5710720-\$ or US-5747701-\$ or US-5429001-\$ or US-5372046-\$ or US-5152174-\$ or US-4375768-\$ or US-4896540-\$ or US-4815324-\$ or US-4809558-\$ or US-4463612-\$ or US-4432242-\$ or US-4270391-\$ or US-4265125-\$ or US-4255968-\$ or US-4026150-\$ or US-4145914-\$ or US-6317696-\$ or US-4320666-\$ or US-6170338-\$).did. or (US-5942696-\$ or US-5583300-\$ or US-5804740-\$ or US-5576497-\$ or US-5003827-\$ or US-5603097-\$ or US-5128625-\$ or US-4720688-\$ or US-6211742-\$ or US-6466069-\$ or US-6474132-\$ or US-4535851-\$).did. or (US-20010030560-\$ or US-20010015107-\$ or US-20020129661-\$).did. or (JP-07055518-\$ or JP-05005639-\$ or JP-58009026-\$ or JP-11274922-\$ or JP-08075516-\$).did. or (WO-200257722-\$ or DE-3713523-\$ or DE-3601407-\$ or EP-187407-\$ or EP-84232-\$). did.) and (cut-off or cutoff)	US-PGPUB; USPAT; JPO; DERWENT	OR	OFF	2003/04/04 14:58
S12 3	93	"dual pll"	US-PGPUB; USPAT; JPO; DERWENT	OR	OFF	2003/04/04 15:07
S12 4	85	"dual pll"	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/04 15:07

S12 5	8	("4072905" "4361906" "5751195" "5764714" "5903195" "5909130" "6121849" "6133769").PN.	USPAT	OR	OFF	2003/04/04 15:08
S12 6	0	"6411143".URPN.	USPAT	OR	OFF	2003/04/04 15:08
S12 7	12	heterodyne same hilbert same (phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's")	US-PGPUB; USPAT; JPO; DERWENT	OR	OFF	2003/04/04 15:17
S12 8	12	(heterodynes or heterodyne or heterodyning or heterodyned) same hilbert same (phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's")	US-PGPUB; USPAT; JPO; DERWENT	OR	OFF	2003/04/04 15:17
S12 9	12	(heterodynes or heterodyne or heterodyning or heterodyned) same hilbert same (phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/04 15:20
S13 0	29	((heterodynes or heterodyne or heterodyning or heterodyned) same (phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's")) and hilbert	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/04 15:21

S13 1	79	(US-5767665-\$ or US-5423221-\$ or US-4185498-\$ or US-4372166-\$ or US-4372167-\$ or US-4509372-\$ or US-4052896-\$ or US-3855858-\$ or US-3934127-\$ or US-4372168-\$ or US-4446744-\$ or US-5131279-\$ or US-6539316-\$ or US-5551307-\$ or US-5804741-\$ or US-4934196-\$ or US-4996871-\$ or US-3935735-\$ or US-4011755-\$ or US-6215834-\$ or US-6429901-\$ or US-4958070-\$ or US-5005425-\$ or US-5680109-\$ or US-6507791-\$ or US-4660586-\$).did. or (US-5570300-\$ or US-6508134-\$ or US-6422093-\$ or US-6178827-\$ or US-5777238-\$ or US-5748504-\$ or US-5753824-\$ or US-5728947-\$ or US-5710720-\$ or US-5747701-\$ or US-5429001-\$ or US-5372046-\$ or US-5152174-\$ or US-4375768-\$ or US-4896540-\$ or US-4815324-\$ or US-4809558-\$ or US-4463612-\$ or US-4432242-\$ or US-4270391-\$ or US-4265125-\$ or US-4255968-\$ or US-4026150-\$ or US-4145914-\$ or US-6317696-\$ or US-4320666-\$ or US-6170338-\$).did. or (US-5942696-\$ or US-5583300-\$ or US-5804740-\$ or US-5576497-\$ or US-5003827-\$ or US-5603097-\$ or US-5128625-\$ or US-4720688-\$ or US-6211742-\$ or US-6466069-\$ or US-6474132-\$ or US-4535851-\$ or US-6236278-\$).did. or (US-20010030560-\$ or US-20010015107-\$ or US-20020129661-\$).did. or (JP-07055518-\$ or JP-05005639-\$ or JP-58009026-\$ or JP-11274922-\$ or JP-08075516-\$).did. or (WO-200257722-\$ or DE-3713523-\$ or DE-3601407-\$ or EP-187407-\$ or EP-84232-\$). did.	US-PGPUB; USPAT; JPO; DERWENT	OR	OFF	2003/04/04 15:25
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S13 2	9	((US-5767665-\$ or US-5423221-\$ or US-4185498-\$ or US-4372166-\$ or US-4372167-\$ or US-4509372-\$ or US-4052896-\$ or US-3855858-\$ or US-3934127-\$ or US-4372168-\$ or US-4446744-\$ or US-5131279-\$ or US-6539316-\$ or US-5551307-\$ or US-5804741-\$ or US-4934196-\$ or US-4996871-\$ or US-3935735-\$ or US-4011755-\$ or US-6215834-\$ or US-6429901-\$ or US-4958070-\$ or US-5005425-\$ or US-5680109-\$ or US-6507791-\$ or US-4660586-\$).did. or (US-5570300-\$ or US-6508134-\$ or US-6422093-\$ or US-6178827-\$ or US-5777238-\$ or US-5748504-\$ or US-5753824-\$ or US-5728947-\$ or US-5710720-\$ or US-5747701-\$ or US-5429001-\$ or US-5372046-\$ or US-5152174-\$ or US-4375768-\$ or US-4896540-\$ or US-4815324-\$ or US-4809558-\$ or US-4463612-\$ or US-4432242-\$ or US-4270391-\$ or US-4265125-\$ or US-4255968-\$ or US-4026150-\$ or US-4145914-\$ or US-6317696-\$ or US-4320666-\$ or US-6170338-\$).did. or (US-5942696-\$ or US-5583300-\$ or US-5804740-\$ or US-5576497-\$ or US-5003827-\$ or US-5603097-\$ or US-5128625-\$ or US-4720688-\$ or US-6211742-\$ or US-6466069-\$ or US-6474132-\$ or US-4535851-\$ or US-6236278-\$).did. or (US-20010030560-\$ or US-20010015107-\$ or US-20020129661-\$).did. or (JP-07055518-\$ or JP-05005639-\$ or JP-58009026-\$ or JP-11274922-\$ or JP-08075516-\$).did. or (WO-200257722-\$ or DE-3713523-\$ or DE-3601407-\$ or EP-187407-\$ or EP-84232-\$). did.) and status	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/04 15:27
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S13 3	3	((US-5767665-\$ or US-5423221-\$ or US-4185498-\$ or US-4372166-\$ or US-4372167-\$ or US-4509372-\$ or US-4052896-\$ or US-3855858-\$ or US-3934127-\$ or US-4372168-\$ or US-4446744-\$ or US-5131279-\$ or US-6539316-\$ or US-5551307-\$ or US-5804741-\$ or US-4934196-\$ or US-4996871-\$ or US-3935735-\$ or US-4011755-\$ or US-6215834-\$ or US-6429901-\$ or US-4958070-\$ or US-5005425-\$ or US-5680109-\$ or US-6507791-\$ or US-4660586-\$).did. or (US-5570300-\$ or US-6508134-\$ or US-6422093-\$ or US-6178827-\$ or US-5777238-\$ or US-5748504-\$ or US-5753824-\$ or US-5728947-\$ or US-5710720-\$ or US-5747701-\$ or US-5429001-\$ or US-5372046-\$ or US-5152174-\$ or US-4375768-\$ or US-4896540-\$ or US-4815324-\$ or US-4809558-\$ or US-4463612-\$ or US-4432242-\$ or US-4270391-\$ or US-4265125-\$ or US-4255968-\$ or US-4026150-\$ or US-4145914-\$ or US-6317696-\$ or US-4320666-\$ or US-6170338-\$).did. or (US-5942696-\$ or US-5583300-\$ or US-5804740-\$ or US-5576497-\$ or US-5003827-\$ or US-5603097-\$ or US-5128625-\$ or US-4720688-\$ or US-6211742-\$ or US-6466069-\$ or US-6474132-\$ or US-4535851-\$ or US-6236278-\$).did. or (US-20010030560-\$ or US-20010015107-\$ or US-20020129661-\$).did. or (JP-07055518-\$ or JP-05005639-\$ or JP-58009026-\$ or JP-11274922-\$ or JP-08075516-\$).did. or (WO-200257722-\$ or DE-3713523-\$ or DE-3601407-\$ or EP-187407-\$ or EP-84232-\$). did.) and status and quality	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/04 15:27
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S13 4	2098	((first or two) adj (phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's")) and ((second or another or two) adj (phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's"))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/09/26 13:15
S13 5	258	((((first or two) adj (phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's")) and ((second or another or two) adj (phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's")))) same ((switch or switches or switching or switched or select or selects or selected or selecting or selection or selections) with (output or outputs))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/09/26 10:35
S13 6	2	("6507791").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/09/26 10:33
S13 7	2	("5874862").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/09/26 10:33

S13 8	1862	((first or two) adj (phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's")) same ((second or another or two) adj (phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's"))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/09/26 10:35
S13 9	241	((((first or two) adj (phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's")) same ((second or another or two) adj (phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's")))) same ((switch or switches or switching or switched or select or selects or selected or selecting or selection or selections) with (output or outputs))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/09/26 11:10
S14 0	963	"vortex flowmeter"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/09/26 10:47
S14 1	2	"vortex flowmeter" and (((first or two) adj (phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's")) and ((second or another or two) adj (phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's"))))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/09/26 10:47

S14 2	23993	"flowmeter"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/09/26 10:47
S14 3	7	"flowmeter" and (((first or two) adj (phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's")) and ((second or another or two) adj (phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's"))))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/09/26 10:47
S14 4	105	(((first or two) adj (phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's")) with ((second or another or two) adj (phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's")))) with ((switch or switches or switching or switched or select or selects or selected or selecting or selection or selections) with (output or outputs))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/04/27 15:11

S14 5	14	(((first or two) adj (phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's")) with ((second or another or two) adj (phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's"))) with ((switch or switches or switching or switched or select or selects or selected or selecting or selection or selections) with (output or outputs))) and flow	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/09/26 11:11
S14 6	916	dpll	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/09/26 12:00
S14 7	315	dpll and flow	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/09/26 12:00
S14 8	0	dpll and flowmeter	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/09/26 12:00
S14 9	0	dpll and flowmeters	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/09/26 12:01
S15 0	0	dpll and "flow meters"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/09/26 12:01
S15 1	0	dpll and "flow meter"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/09/26 12:01

S15 2	0	dpll and "flow-meter"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/09/26 12:01
S15 3	0	dpll and "flow-meters"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/09/26 12:04
S15 4	2	("4270391").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/09/26 12:08
S15 5	449	dual with phase with locked with loop	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/09/26 12:09
S15 6	103	(dual with phase with locked with loop) and flow	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/09/26 12:09
S15 7	1	"6215834".URPN.	USPAT	OR	OFF	2003/09/26 13:14
S15 8	0	((first or two) adj (phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's")) same ((second or another or two) adj (phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's")) same ("center frequency" or "center frequencies" or "centre frequency" or "centre frequency"))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/09/26 13:17

S15 9	1828	((phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's")) same ("center frequency" or "center frequencies" or "centre frequency" or "centre frequency")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/09/26 13:17
S16 0	132	((dual or two) with (phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's")) same ("center frequency" or "center frequencies" or "centre frequency" or "centre frequency")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/04/27 15:11
S16 1	15	((dual or two) adj (phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's")) same ("center frequency" or "center frequencies" or "centre frequency" or "centre frequency")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/09/26 13:27
S16 2	2	("4,463,612").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/09/26 13:28
S16 3	2	("6,466,069").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/09/26 13:28
S16 4	57513	flowmeter or flowmeters or "flow meter" or "flow meters" or flow-meter or flow-meters	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/09/26 13:28
S16 5	4082	(flowmeter or flowmeters or "flow meter" or "flow meters" or flow-meter or flow-meters) same (filter or filters)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/09/26 13:29

S16 6	220	(flowmeter or flowmeters or "flow meter" or "flow meters" or flow-meter or flow-meters) with (output or outputs) with (filter or filters)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/09/26 13:29
S16 7	151	"self validating"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/09/26 13:38
S16 8	151	"self validating" or "self-validating"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/09/26 13:38
S16 9	2	("self validating" or "self-validating") with lock	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/09/26 14:27
S17 0	77	("vortex flowmeter" or "vortex flowmeters") and ((smaller or small or smallest or low or lower or lowest) with (amplitude or amplitudes or magnitude or magnitudes))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/09/26 14:16
S17 1	20	("vortex flowmeter" or "vortex flowmeters") and ((rate or rates) with (proportional or proportion or proportions) with (amplitude or amplitudes or magnitude or magnitudes))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/09/26 14:22
S17 2	255	(clear or cleared) and (blurry or blurred) and (dazzel of dazzeled)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/09/26 14:23
S17 3	0	(clear or cleared) and (blurry or blurred) and (dazzel or dazzeled)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/09/29 14:19
S17 4	1	("self validating" or "self-validating") with locking	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/09/26 15:52

S17 5	1	("self validating" or "self-validating") with (phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/09/26 15:53
S17 6	122	(uncertain or uncertainty or confidence or confidences) with (phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/09/26 15:55
S17 7	469	(quality with (lock or locked or locking)) and (phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/09/26 16:57
S17 8	133	702/12.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/09/26 16:57
S17 9	70	702/44.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/09/26 16:57
S18 0	308	702/45.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/09/26 16:57
S18 1	191	702/46.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/09/26 16:57
S18 2	158	702/47.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/09/26 16:57

S18 3	44	702/48.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/09/26 16:57
S18 4	29	702/49.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/09/26 16:57
S18 5	203	702/100.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/09/26 16:57
S18 6	100	702/106.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/09/26 16:57
S18 7	661	73/861.22.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/09/26 16:57
S18 8	91	73/861.23.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/09/26 16:59
S18 9	1857	702/12.ccls. 702/44.ccls. 702/45. ccls. 702/46.ccls. 702/47.ccls. 702/48.ccls. 702/49.ccls. 702/100. ccls. 702/106.ccls. 73/861.22.ccls. 73/861.23.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/09/26 16:59
S19 0	88	(702/12.ccls. 702/44.ccls. 702/45. ccls. 702/46.ccls. 702/47.ccls. 702/48.ccls. 702/49.ccls. 702/100. ccls. 702/106.ccls. 73/861.22.ccls. 73/861.23.ccls.) and @pd>="20030331"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/04/27 14:36
S19 1	12	((("3751979") or ("5128625") or ("5493915") or ("4809558") or ("6408011") or ("6215834")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/09/29 12:01

S19 2	14	((("3751979") or ("5128625") or ("5493915") or ("4809558") or ("6408011") or ("6215834") or ("5576497"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/09/29 12:01
S19 3	70	"lock indicator".ti.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/09/29 13:48
S19 4	1379	((lock or locks or locked or locking) near2 (indicate or indicates or indicated or indicating or indicator or indicators)) and (phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/09/29 13:49
S19 5	101	((lock or locks or locked or locking) near2 (indicate or indicates or indicated or indicating or indicator or indicators)) and (((first or two) adj (phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's")) and ((second or another or two) adj (phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's"))))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/09/29 13:49
S19 6	21	(clear or cleared) and (blurry or blurred) and (dazzle or dazzled)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/09/29 14:25
S19 7	8	((clear or cleared) and (blurry or blurred) and (dazzle or dazzled)) and lock	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/09/29 14:25

S19 8	8	((clear or cleared) and (blurry or blurred) and (dazzle or dazzled)) and (lock or locking or locked or locks)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/09/29 14:25
S19 9	34	(phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's") and "both locked"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/09/30 10:05
S20 0	8	((("4,463,612") or ("6,466,069") or ("3,751,979") or ("6,236,278"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/09/30 10:58
S20 1	1	((("4,463,612") or ("6,466,069") or ("3,751,979") or ("6,236,278"))).PN.) and (pressure or pressures)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/09/30 10:58
S20 2	2	("5,576,497").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/09/30 11:45
S20 3	2	("5,570,300").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/09/30 11:45
S20 4	17	((("20030028334") or ("3709034") or ("4069713") or ("4123940") or ("5774378") or ("6311136") or ("6505519") or ("6507791"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/04/27 15:13
S20 5	2	("20020129661").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/04/27 14:09

S20 6	119	(702/12.ccls. 702/44.ccls. 702/45.ccls. 702/46.ccls. 702/47.ccls. 702/48.ccls. 702/49.ccls. 702/100.ccls. 702/106.ccls. 73/861.22.ccls. 73/861.23.ccls.) and @pd>="20030926"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/16 16:02
S20 7	6	((702/12.ccls. 702/44.ccls. 702/45.ccls. 702/46.ccls. 702/47.ccls. 702/48.ccls. 702/49.ccls. 702/100.ccls. 702/106.ccls. 73/861.22.ccls. 73/861.23.ccls.) and @pd>="20030926") and vortex	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/04/27 14:46
S20 8	9	((702/12.ccls. 702/44.ccls. 702/45.ccls. 702/46.ccls. 702/47.ccls. 702/48.ccls. 702/49.ccls. 702/100.ccls. 702/106.ccls. 73/861.22.ccls. 73/861.23.ccls.) and @pd>="20030926") and (phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/22 15:25
S20 9	3	((("20030028334") or ("3709034") or ("4069713") or ("4123940") or ("5774378") or ("6311136") or ("6505519") or ("6507791")),PN.) and (phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/04/27 14:59

S21 0	2	(((first or two) adj (phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's")) with ((second or another or two) adj (phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's"))) with ((switch or switches or switching or switched or select or selects or selected or selecting or selection or selections) with (output or outputs))) and @pd>="20030926"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/04/27 15:12
S21 1	14	(((dual or two) with (phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's")) same ("center frequency" or "center frequencies" or "centre frequency" or "centre frequency")) and @pd>="20030926"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/04/27 15:12
S21 2	6	"1551220"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/04/27 15:15
S21 3	0	"1 551 220"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/04/27 15:15
S21 4	43362	((indicate or indicates or indicating or indicated or indication or indications) with (lock or locks or locking or locked))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/04/27 16:04

S21 5	2931	((indicate or indicates or indicating or indicated or indication or indications) with (lock or locks or locking or locked)) same (phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/04/27 16:04
S21 6	3100	((indicate or indicates or indicating or indicated or indication or indications or indicator or indicators) with (lock or locks or locking or locked)) same (phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/04/27 16:06
S21 7	0	((indicate or indicates or indicating or indicated or indication or indications or indicator or indicators) with (lock or locks or locking or locked)) same (phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's") same dazzeled	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/04/27 16:05
S21 8	0	((indicate or indicates or indicating or indicated or indication or indications or indicator or indicators) with (lock or locks or locking or locked)) same (phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's") same blurred	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/04/27 16:05

S21 9	43	((indicate or indicates or indicating or indicated or indication or indicators) with (lock or locks or locking or locked)) same (phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's") same clear	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/04/27 16:05
S22 0	0	(phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's") same dazzeled	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/04/27 16:05
S22 1	0	(phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's") same dazzled	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/04/27 16:05
S22 2	2	((indicate or indicates or indicating or indicated or indication or indicators) with (lock or locks or locking or locked)) same (phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's") same "both locked"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/22 15:26
S22 3	14	dazzled same blurred same clear	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/04/27 16:07
S22 4	31	Bearcroft.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/04/27 16:12

S22 5	1	"GB 1548368"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/04/27 16:13
S22 6	2	"GB 1551220"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/04/27 16:41
S22 7	1	1977-E5117Y.NRAN.	DERWENT	OR	OFF	2004/04/27 16:13
S22 8	2	("6466069").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/04/27 16:44
S22 9	2	("6,236,278").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/04/27 16:47
S23 0	2	("3751979").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/04/27 17:31
S23 1	2	("5,576,497").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/04/27 17:49
S23 2	2	("5,570,300").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/04/27 17:50
S23 3	2	("20020129661").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/04/27 17:50

S23 4	3	vortex and (phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's") and ((lock or locks or locked or locking) with (indicate or indicates or indicating or indicated or indicator or indicators) with (Signal or signals))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/05/02 15:36
S23 5	4	("4,432,242").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/05/02 15:35
S23 6	3	vortex and (phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's") and ((lock or locks or locked or locking) with (indicate or indicates or indicating or indicated or indicator or indicators))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/05/02 15:36
S23 7	5	vortex and (phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's") and ((lock or locks or locked or locking) with (Denote or denotes or denoting or denoted or designate or designates or designating or designated or designation or designations or expresses or express or expressed or expressing or expression or expressions or imply or implied or implying or implies or implication or implications or reveal or reveal or revealed or revealing or show or shows or showed or showing or signify or signifies or signified or signifying or specify or specifies or specified or specifying))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/05/02 15:41

S23 8	5	vortex and (phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's") and ((lock or locks or locked or locking) with (Denote or denotes or denoting or denoted or designate or designates or designating or designated or designation or designations or expresses or express or expressed or expressing or expression or expressions or imply or implied or implying or implies or implication or implications or reveal or reveal or revealed or revealing or show or shows or showed or showing or signify or signifies or signified or signifying or specify or specifies or specified or specifying))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/05/02 15:42
S23 9	3	vortex and (phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's") and ("locking signal" or "locking signals"))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/05/02 16:16
S24 0	44	vortex and (phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's") and ((lock or locks or locked or locking) with (signal or signals))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/05/02 15:43
S24 1	2	("20020129661").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/05/02 16:20
S24 2	37759	(fiter or filters or filtering or filtered) with (flow)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/05/02 16:23

S24 3	8661414	(fiter or filters or filtering or filtered) with (flow) with Below or low or lower or lowest or less or lesser or small or smaller or smallest or min or minimum or minimal or slower or slowest or slow	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/05/02 16:24
S24 4	7404	(fiter or filters or filtering or filtered) with (flow) with (Below or low or lower or lowest or less or lesser or small or smaller or smallest or min or minimum or minimal or slower or slowest or slow)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/05/02 16:24
S24 5	1688	(fiter or filters or filtering or filtered) with ((flow or flows or flowing or flowed) near2 (Below or low or lower or lowest or less or lesser or small or smaller or smallest or min or minimum or minimal or slower or slowest or slow))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/05/02 16:28
S24 6	3	((fiter or filters or filtering or filtered) near2 (Actuate or actuates or actuated or actuating or actuation or actuations or energize or energized or energizing or energizes or start or starts or starting or started or stimulate or stimulates or stimulating or stimulated or trigger or triggers or triggered or triggering or "turn on" or "turned on" or "turning on" or "turns on" or "switch on" or "switches on" or "switched on" or "switching on" or turn-on or turned-on or turning-on or turns-on or switch-on or switches-on or switched-on or switching-on)) with ((flow or flows or flowing or flowed) near2 (Below or low or lower or lowest or less or lesser or small or smaller or smallest or min or minimum or minimal or slower or slowest or slow))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/05/02 16:30

S24 7	116	((fiter or filters or filtering or filtered) near2 (Actuate or actuates or actuated or actuating or actuation or actuations or energize or energized or energizing or energizes or start or starts or starting or started or stimulate or stimulates or stimulating or stimulated or trigger or triggers or triggered or triggering or "turn on" or "turned on" or "turning on" or "turns on" or "switch on" or "switches on" or "switched on" or "switching on" or turn-on or turned-on or turning-on or turns-on or switch-on or switches-on or switched-on or switching-on)) with ((flow or flows or flowing or flowed))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/05/02 16:30
S24 8	10	((filter or filters or filtering or filtered) near2 (Actuate or actuates or actuated or actuating or actuation or actuations or energize or energized or energizing or energizes or start or starts or starting or started or stimulate or stimulates or stimulating or stimulated or trigger or triggers or triggered or triggering or "turn on" or "turned on" or "turning on" or "turns on" or "switch on" or "switches on" or "switched on" or "switching on" or turn-on or turned-on or turning-on or turns-on or switch-on or switches-on or switched-on or switching-on)) with ((flow or flows or flowing or flowed) near2 (Below or low or lower or lowest or less or lesser or small or smaller or smallest or min or minimum or minimal or slower or slowest or slow))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/05/02 17:26

S24 9	449	((filter or filters or filtering or filtered) near2 (Actuate or actuates or actuated or actuating or actuation or actuations or energize or energized or energizing or energizes or start or starts or starting or started or stimulate or stimulates or stimulating or stimulated or trigger or triggers or triggered or triggering or "turn on" or "turned on" or "turning on" or "turns on" or "switch on" or "switches on" or "switched on" or "switching on" or turn-on or turned-on or turning-on or turns-on or switch-on or switches-on or switched-on or switching-on)) with ((flow or flows or flowing or flowed))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/05/02 17:26
S25 0	2	("5,576,497").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/05/02 17:07
S25 1	2	("5,570,300").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/05/02 17:07
S25 2	2	("5,493,915").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/05/02 17:24
S25 3	5394	(filter or filters or filtering or filtered) with ((flow or flows or flowing or flowed) near2 (Below or low or lower or lowest or less or lesser or small or smaller or smallest or min or minimum or minimal or slower or slowest or slow))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/05/02 17:29

S25 4	287	((filter or filters or filtering or filtered) with ((flow or flows or flowing or flowed) near2 (Below or low or lower or lowest or less or lesser or small or smaller or smallest or min or minimum or minimal or slower or slowest or slow))) and ((flow or flows) near (meter or meters or metering or metered))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/05/02 17:30
S25 5	287	((filter or filters or filtering or filtered) with ((flow or flows or flowing or flowed) near2 (Below or low or lower or lowest or less or lesser or small or smaller or smallest or min or minimum or minimal or slower or slowest or slow))) and ((flow or flows) near (meter or meters or metering or metered))).ab"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/05/02 17:30
S25 6	38	((filter or filters or filtering or filtered) with ((flow or flows or flowing or flowed) near2 (Below or low or lower or lowest or less or lesser or small or smaller or smallest or min or minimum or minimal or slower or slowest or slow))) and ((flow or flows) near (meter or meters or metering or metered))).ab.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/05/02 18:59
S25 7	8	((("4,463,612") or ("6,466,069") or ("3,751,979") or ("6,236,278")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/05/02 18:20
S25 8	2	("5,570,300").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/05/02 18:20
S25 9	2	("5,576,497").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/05/02 19:13

S26 0	4	((("5170720") or ("5152174"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/05/02 19:14
S26 1	4	((("5710720") or ("5152174"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/05/02 19:14
S26 2	19565	(phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's") with (two or first or second or dual or duals)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/07/15 10:13
S26 3	5090	((phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's") with (two or first or second or dual or duals)) and (flow or flows or flowmeter or flowmeters or flow-meter or flow-meters)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/07/15 10:21
S26 4	258	((phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's") with (two or first or second or dual or duals)) and (flow or flows or flowmeter or flowmeters or flow-meter or flow-meters).ab.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/07/15 10:21
S26 5	3481	((phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's") with (two or first or second or dual or duals)) same ((switch or switches or switched or switching))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/07/15 10:23

S26 6	1587	((phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's") with (two or first or second or dual or duals)) same ((switch or switches or switched or switching) with (output or outputs))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/07/15 10:24
S26 7	1517	((phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's") with (two or first or second or dual or duals)) same ((switch or switches or switched or switching) with (frequency or frequencies))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/22 15:26
S26 8	742	((phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's") with (two or first or second or dual or duals)) same ((switch or switches or switched or switching) with (frequency or frequencies) with (lock or locks or locked or locking))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/07/15 10:55
S26 9	2	("20030028334").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/07/15 10:31
S27 0	9	((("6507791") or ("6754594") or ("5570300") or ("5680109") or ("4660586"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/07/15 10:45
S27 1	0	"variable transmitter".ti. and ((phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's") with (two or first or second or dual or duals))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/07/15 10:49

S27 2	0	"variable transmitters" same ((phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's") with (two or first or second or dual or duals))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/07/15 10:49
S27 3	1	"variable transmitter".ab. and ((phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's") with (two or first or second or dual or duals))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/07/15 10:49
S27 4	1	"variable transmitter" same ((phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's") with (two or first or second or dual or duals))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/07/21 10:49
S27 5	1	((phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's") with (two or first or second or dual or duals)) near2 ((switch or switches or switched or switching) with (frequency or frequencies) with (lock or locks or locked or locking))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/07/21 11:06
S27 6	198	((phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's") near2 (two or first or second or dual or duals)) same ((switch or switches or switched or switching) with (frequency or frequencies) with (lock or locks or locked or locking))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/07/21 11:06

S27 7	19578	((phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's") with (two or first or second or dual or duals))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/07/21 10:50
S27 8	3487	((phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's") with (two or first or second or dual or duals)) same (switch or switches or switching or switched)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/07/21 11:00
S27 9	422	((phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's") with (two or first or second or dual or duals)) same (switch or switches or switching or switched) same ((lock or locked) near2 (signal or signals))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/07/21 11:01
S28 0	445	((phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's") with (two or first or second or dual or duals)) same (switch or switches or switching or switched) same ((lock or locked or locks or locking) near2 (signal or signals))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/07/21 11:06
S28 1	199	((phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's") near2 (two or first or second or dual or duals)) same ((switch or switches or switched or switching) with (frequency or frequencies) with (lock or locks or locked or locking))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/07/21 14:23

S28 2	402	((((phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's") with (two or first or second or dual or duals)) same (switch or switches or switching or switched) same ((lock or locked or locks or locking) near2 (signal or signals))) not (((phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's") near2 (two or first or second or dual or duals)) same ((switch or switches or switched or switching) with (frequency or frequencies) with (lock or locks or locked or locking)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/07/21 11:07
S28 3	8	("4471328" "4573026" "4862108" "4901036" "4926141" "5289141" "5323125" "5436599").PN.	USPAT	OR	OFF	2004/07/21 13:29
S28 4	4	((("4471328" "4573026" "4862108" "4901036" "4926141" "5289141" "5323125" "5436599").PN.) and ((phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's") near2 (two or first or second or dual or duals)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/07/21 14:04
S28 5	2	("3751979").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/07/21 14:05
S28 6	2	("3751979").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/07/22 10:01

S28 7	4	((("4463612") or ("6466069")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/07/22 10:03
S28 8	6	((("4463612") or ("6466069") or ("3751979")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/07/22 10:04
S28 9	76	((702/12.ccls. 702/44.ccls. 702/45.ccls. 702/46.ccls. 702/47.ccls. 702/48.ccls. 702/49.ccls. 702/100.ccls. 702/106.ccls. 73/861.22.ccls. 73/861.23.ccls.) and (phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's"))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/07/22 10:05
S29 0	77	((702/12.ccls. 702/44.ccls. 702/45.ccls. 702/46.ccls. 702/47.ccls. 702/48.ccls. 702/49.ccls. 702/100.ccls. 702/106.ccls. 73/861.22.ccls. 73/861.23.ccls. 73/861.24.ccls.) and (phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's"))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/07/22 10:05
S29 1	2327	(702/12.ccls. 702/44.ccls. 702/45.ccls. 702/46.ccls. 702/47.ccls. 702/48.ccls. 702/49.ccls. 702/100.ccls. 702/106.ccls. 73/861.22.ccls. 73/861.23.ccls. 73/861.24.ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/07/22 10:05

S29 2	9	((702/12.ccls. 702/44.ccls. 702/45.ccls. 702/46.ccls. 702/47. ccls. 702/48.ccls. 702/49.ccls. 702/100.ccls. 702/106.ccls. 73/861.22.ccls. 73/861.23.ccls. 73/861.24.ccls.) and (phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's" or dpll or dplls or "dpll's") near2 (two or first or second or dual or duals))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/07/22 10:27
S29 3	77	((702/12.ccls. 702/44.ccls. 702/45.ccls. 702/46.ccls. 702/47. ccls. 702/48.ccls. 702/49.ccls. 702/100.ccls. 702/106.ccls. 73/861.22.ccls. 73/861.23.ccls. 73/861.24.ccls.) and (phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's" or dpll or dplls or "dpll's"))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/07/22 10:41

S29 4	68	((702/12.ccls. 702/44.ccls. 702/45.ccls. 702/46.ccls. 702/47.ccls. 702/48.ccls. 702/49.ccls. 702/100.ccls. 702/106.ccls. 73/861.22.ccls. 73/861.23.ccls. 73/861.24.ccls.) and (phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's" or dpll or dplls or "dpll's")) not (((702/12.ccls. 702/44.ccls. 702/45.ccls. 702/46.ccls. 702/47.ccls. 702/48.ccls. 702/49.ccls. 702/100.ccls. 702/106.ccls. 73/861.22.ccls. 73/861.23.ccls. 73/861.24.ccls.) and (phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's" or dpll or dplls or "dpll's")) near2 (two or first or second or dual or duals)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/07/22 10:12
S29 5	22	((73/861.21.ccls. 73/861.18.ccls. 73/861.19.ccls.) and (phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's" or dpll or dplls or "dpll's"))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/07/22 10:28
S29 6	5	((73/861.21.ccls. 73/861.18.ccls. 73/861.19.ccls.) and (phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's" or dpll or dplls or "dpll's")) near2 (two or first or second or dual or duals))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/07/22 10:28
S29 7	2	("4,801,897"):PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/07/22 11:20

S29 8	2	("6106684").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/07/22 11:39
S29 9	2	("6108684").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/07/22 11:39
S30 8	0	"variable transmitter".ti. and ((phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's") with (two or first or second or dual or duals))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/16 10:59
S30 9	0	"variable transmitters" same ((phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's") with (two or first or second or dual or duals))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/16 10:59
S31 0	1	"variable transmitter".ab. and ((phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's") with (two or first or second or dual or duals))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/16 10:59
S31 1	1	"variable transmitter" same ((phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's") with (two or first or second or dual or duals))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/16 10:59

S31 2	1	((phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's") with (two or first or second or dual or duals)) near2 ((switch or switches or switched or switching) with (frequency or frequencies) with (lock or locks or locked or locking))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/16 10:59
S31 3	211	((phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's") near2 (two or first or second or dual or duals)) same ((switch or switches or switched or switching) with (frequency or frequencies) with (lock or locks or locked or locking))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/16 10:59
S31 4	20756	((phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's") with (two or first or second or dual or duals))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/16 10:59
S31 5	3681	((phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's") with (two or first or second or dual or duals)) same (switch or switches or switching or switched)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/16 10:59
S31 6	441	((phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's") with (two or first or second or dual or duals)) same (switch or switches or switching or switched) same ((lock or locked) near2 (signal or signals))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/16 10:59

S31 7	464	((phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's") with (two or first or second or dual or duals)) same (switch or switches or switching or switched) same ((lock or locked or locks or locking) near2 (signal or signals))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/16 10:59
S31 8	211	((phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's") near2 (two or first or second or dual or duals)) same ((switch or switches or switched or switching) with (frequency or frequencies) with (lock or locks or locked or locking))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/16 10:59
S31 9	419	((((phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's") with (two or first or second or dual or duals)) same (switch or switches or switching or switched) same ((lock or locked or locks or locking) near2 (signal or signals))) not (((phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's") near2 (two or first or second or dual or duals)) same ((switch or switches or switched or switching) with (frequency or frequencies) with (lock or locks or locked or locking)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/16 10:59
S32 0	8	("4471328" "4573026" "4862108" "4901036" "4926141" "5289141" "5323125" "5436599").PN	USPAT	OR	OFF	2005/02/16 10:59

S32 1	6	((("4471328" "4573026" "4862108" "4901036" "4926141" "5289141" "5323125" "5436599").PN.) and ((phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's") near2 (two or first or second or dual or duals)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/16 10:59
S32 2	2	("3751979").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/16 10:59
S32 3	2	("3751979").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/16 10:59
S32 4	4	((("4463612") or ("6466069"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/16 10:59
S32 5	6	((("4463612") or ("6466069") or ("3751979"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/16 10:59
S32 6	79	((702/12.ccls. 702/44.ccls. 702/45.ccls. 702/46.ccls. 702/47.ccls. 702/48.ccls. 702/49.ccls. 702/100.ccls. 702/106.ccls. 73/861.22.ccls. 73/861.23.ccls.) and (phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's"))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/16 10:59

S32 7	80	((702/12.ccls. 702/44.ccls. 702/45.ccls. 702/46.ccls. 702/47.ccls. 702/48.ccls. 702/49.ccls. 702/100.ccls. 702/106.ccls. 73/861.22.ccls. 73/861.23.ccls. 73/861.24.ccls.) and (phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's"))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/18 13:51
S32 8	2433	(702/12.ccls. 702/44.ccls. 702/45.ccls. 702/46.ccls. 702/47.ccls. 702/48.ccls. 702/49.ccls. 702/100.ccls. 702/106.ccls. 73/861.22.ccls. 73/861.23.ccls. 73/861.24.ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/16 10:59
S32 9	9	((702/12.ccls. 702/44.ccls. 702/45.ccls. 702/46.ccls. 702/47.ccls. 702/48.ccls. 702/49.ccls. 702/100.ccls. 702/106.ccls. 73/861.22.ccls. 73/861.23.ccls. 73/861.24.ccls.) and (phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's" or dpll or dplls or "dpll's") near2 (two or first or second or dual or duals))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/16 10:59
S33 0	80	((702/12.ccls. 702/44.ccls. 702/45.ccls. 702/46.ccls. 702/47.ccls. 702/48.ccls. 702/49.ccls. 702/100.ccls. 702/106.ccls. 73/861.22.ccls. 73/861.23.ccls. 73/861.24.ccls.) and (phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's" or dpll or dplls or "dpll's"))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/16 10:59
S33 2	105	(702/12.ccls. 702/44.ccls. 702/45.ccls. 702/46.ccls. 702/47.ccls. 702/48.ccls. 702/49.ccls. 702/100.ccls. 702/106.ccls. 73/861.22.ccls. 73/861.23.ccls. 73/861.24.ccls.) and @pd>"20040722"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/16 11:02

S33 3	21	(S316 S317 S329 S319 S326 S327 S329 S330) and @pd>"20040722"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/16 16:01
S33 4	2	("6,308,326").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/16 11:38
S33 5	16056	(Dual or two or second) with ((phase adj (lock or locked or locking) adj (loop or loops)) or pll or plls or "pll's")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/18 12:45
S33 6	8209	(Dual or two or second) with ((phase adj (lock or locked or locking) adj (loop or loops)) or pll or plls or "pll's") with (frequency or frequencies)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/18 12:46
S33 7	8208	(Dual or two or second) with ((phase adj (lock or locked or locking) adj (loop or loops)) or pll or plls or "pll's") with (frequency or frequencies)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/16 16:52
S33 8	1	S336 not S337	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/18 12:46
S33 9	13	(702/12.ccls. 702/44.ccls. 702/45.ccls. 702/46.ccls. 702/47.ccls. 702/48.ccls. 702/49.ccls. 702/100.ccls. 702/106.ccls. 73/861.22.ccls. 73/861.23.ccls. 73/861.24.ccls.) and (Dual or two or second) with ((phase adj (lock or locked or locking) adj (loop or loops)) or pll or plls or "pll's") with (frequency or frequencies)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/02/18 12:47

S34 1	80	((702/12.ccls. 702/44.ccls. 702/45.ccls. 702/46.ccls. 702/47.ccls. 702/48.ccls. 702/49.ccls. 702/100.ccls. 702/106.ccls. 73/861.22.ccls. 73/861.23.ccls. 73/861.24.ccls.) and (phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's" or dpll or dplls or "dpll's"))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/18 13:58
S34 2	9	((702/12.ccls. 702/44.ccls. 702/45.ccls. 702/46.ccls. 702/47.ccls. 702/48.ccls. 702/49.ccls. 702/100.ccls. 702/106.ccls. 73/861.22.ccls. 73/861.23.ccls. 73/861.24.ccls.) and (phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's" or dpll or dplls or "dpll's")) near2 (two or first or second or dual or duals))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/18 13:53
S34 3	3	((702/12.ccls. 702/44.ccls. 702/45.ccls. 702/46.ccls. 702/47.ccls. 702/48.ccls. 702/49.ccls. 702/100.ccls. 702/106.ccls. 73/861.22.ccls. 73/861.23.ccls. 73/861.24.ccls.) and (phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's" or dpll or dplls or "dpll's")) and @pd>"20040722"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/02/18 13:58

S34 4	3	((702/12.ccls. 702/44.ccls. 702/45.ccls. 702/46.ccls. 702/47.ccls. 702/48.ccls. 702/49.ccls. 702/100.ccls. 702/106.ccls. 73/861.22.ccls. 73/861.23.ccls. 73/861.24.ccls.) and (phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's" or dpll or dplls or "dpll's" or (phase adj (lock or locked or locking) adj (loop or loops)))) and @pd>"20040722"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/16 16:01
S34 5	1	((702/12.ccls. 702/44.ccls. 702/45.ccls. 702/46.ccls. 702/47.ccls. 702/48.ccls. 702/49.ccls. 702/100.ccls. 702/106.ccls. 73/861.22.ccls. 73/861.23.ccls. 73/861.24.ccls.) and (phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's" or dpll or dplls or "dpll's" or (phase adj (lock or locked or locking) adj (loop or loops)))) and @pd>"20050218"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/16 16:00
S34 6	452	((phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's") with (two or first or second or dual or duals)) same (switch or switches or switching or switched) same ((lock or locked) near2 (signal or signals))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/16 16:01
S34 7	475	((phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's") with (two or first or second or dual or duals)) same (switch or switches or switching or switched) same ((lock or locked or locks or locking) near2 (signal or signals))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/16 16:01

S34 8	428	((((phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's") with (two or first or second or dual or duals)) same (switch or switches or switching or switched) same ((lock or locked or locks or locking) near2 (signal or signals))) not (((phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's") near2 (two or first or second or dual or duals)) same ((switch or switches or switched or switching) with (frequency or frequencies) with (lock or locks or locked or locking)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/16 16:01
S34 9	80	((702/12.ccls. 702/44.ccls. 702/45.ccls. 702/46.ccls. 702/47.ccls. 702/48.ccls. 702/49.ccls. 702/100.ccls. 702/106.ccls. 73/861.22.ccls. 73/861.23.ccls.) and (phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's"))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/16 16:01
S35 0	81	((702/12.ccls. 702/44.ccls. 702/45.ccls. 702/46.ccls. 702/47.ccls. 702/48.ccls. 702/49.ccls. 702/100.ccls. 702/106.ccls. 73/861.22.ccls. 73/861.23.ccls. 73/861.24.ccls.) and (phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's"))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/22 15:27

S35 1	9	((702/12.ccls. 702/44.ccls. 702/45.ccls. 702/46.ccls. 702/47.ccls. 702/48.ccls. 702/49.ccls. 702/100.ccls. 702/106.ccls. 73/861.22.ccls. 73/861.23.ccls. 73/861.24.ccls.) and (phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's" or dpll or dplls or "dpll's") near2 (two or first or second or dual or duals))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/16 16:01
S35 2	81	((702/12.ccls. 702/44.ccls. 702/45.ccls. 702/46.ccls. 702/47.ccls. 702/48.ccls. 702/49.ccls. 702/100.ccls. 702/106.ccls. 73/861.22.ccls. 73/861.23.ccls. 73/861.24.ccls.) and (phase-lock-loop or phase-locked-loop or phase-lock-loops or phase-locked-loops or phase-lock or phase-locked or "phase lock" or "phase locked" or pll or plls or "pll's" or dpll or dplls or "dpll's"))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/16 16:01
S35 3	12	(S346 S347 S351 S348 S349 S350 S351 S352) and @pd>"20050218"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/16 16:01
S35 4	60	(702/12.ccls. 702/44.ccls. 702/45.ccls. 702/46.ccls. 702/47.ccls. 702/48.ccls. 702/49.ccls. 702/100.ccls. 702/106.ccls. 73/861.22.ccls. 73/861.23.ccls.) and @pd>="20050218"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/16 16:04
S35 5	1	("6915242").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/16 16:04
S35 6	1	("6915242").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/16 16:07

S35 7	3	("6832179").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/16 16:07
S35 8	154	(Dual or two or second) with ((phase adj (lock or locked or locking) adj (loop or loops)) or pll or plls or "pll's" or dpll or "dpll's") with ((center or centering) adj (frequency or frequencies))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/16 17:02
S35 9	218	(Dual or two or second) with ((phase adj (lock or locked or locking) adj (loop or loops)) or pll or plls or "pll's" or dpll or "dpll's") with ((carrier) adj (frequency or frequencies))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/16 17:07
S36 0	2872	(Dual or two or second) adj ((phase adj (lock or locked or locking) adj (loop or loops)) or pll or plls or "pll's" or dpll or "dpll's")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/16 17:06
S36 1	34	(Dual or two or second) adj ((phase adj (lock or locked or locking) adj (loop or loops)) or pll or plls or "pll's" or dpll or "dpll's") with ((carrier) adj (frequency or frequencies))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/06/16 17:07